

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) An anode thin film for a lithium secondary battery having a current collector and an anode active material layer formed thereon, wherein the anode active material layer contains an intermetallic compound of tin (Sn) and nickel (Ni) heat treated in the range of 300°C to 550°C.

2. (Original) The anode thin film of claim 1, wherein the intermetallic compound is Ni_3Sn_4 .

3. (Canceled)

4. (Canceled)

5. (Original) A method of preparing an anode thin film of claim 1 by co-sputtering tin (Sn) and metallic nickel (Ni).

6. (Original) The method of claim 5, wherein the intermetallic compound is Ni_3Sn_4 .

7. (Canceled)

8. (Canceled)

9. (Previously Presented) A method of preparing an anode thin film of claim 1 by forming an intermetallic compound evaporation source of tin (Sn) and metallic nickel (Ni) by a mechanical alloying method and depositing the intermetallic compound evaporation source by at least selected from the group consisting of e-beam evaporation and ion beam assisted deposition (IBAD) and heat treating the intermetallic compound in the range of 300°C to 550°C.

10. (Original) The method of claim 9, wherein the intermetallic compound is Ni_3Sn_4 .

11. (Previously Presented) A lithium secondary battery employing an anode thin film having a current collector and an anode active material layer formed thereon, wherein the anode active material layer contains an intermetallic compound of tin (Sn) and nickel (Ni) heat treated in the range of 300°C to 550°C.

12. (Original) The lithium secondary battery of claim 11, wherein the intermetallic compound is Ni_3Sn_4 .

13. (Original) The lithium secondary battery of claim 11, wherein the battery is a thin film battery.